

- A. INSTALL NEW TRAFFIC SIGNALS, SIGNS AND REMOVE EXISTING SIGNAL HEADS FROM MAST ARM.
- B. REMOVE EXISTING SIGNAL POLE, MAST ARM, FOUNDATION, AND EXISTING SIGNAL HEADS.
- C. INSTALL ONE 27 FOOT STEEL POLE WITH 30 FOOT MAST ARM, SIGNS, SIGNAL HEADS, AND FOUR ANCHOR BOLTS IN SIZES OF 1-1/2"x60". INCLUDE ONE 3-INCH SCHEDULE 80 90 DEGREE BEND.
- D. EXISTING STOP SIGN TO BE REMOVED.
- E. INSTALL MICRO-LOOP PROBE DETECTORS WITH 500 FT. LEAD-IN.
- F. INSTALL 6'x30' LOOP DETECTOR IN 1/4-INCH FLEXIBLE PVC TUBING (3-6-3 TURNS).
- G. INSTALL 1-INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT AND FITTING (DETECTOR WIRE SLEEVE).
- H. USE EXISTING HANDHOLE.
- I. INSTALL HANDHOLE.
- J. INSTALL 2-INCH POLYVINYL CHLORIDE ELECTRICAL CONDUIT SCHEDULE 80 - TRENCHED.
- K. INSTALL 3-INCH POLYVINYL CHLORIDE ELECTRICAL CONDUIT SCHEDULE 80 - BORED.
- L. INSTALL 4-INCH POLYVINYL CHLORIDE ELECTRICAL CONDUIT SCHEDULE 80 - TRENCHED.

TO MD 75

1. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

FLASHING  
OPERATION

**SIGNS**

**12**

W3-3 36"x36"

W/NEW PANEL 12"x24"

D-3(2) 72"x12"

**13**

D3(2)

16" X Var.

**14, 17**

R10-12

36"x42"

**15**

W3-3 36"x36"

W/NEW PANEL 12"x24"

D-3(2) 72"x12"

**16**

D3(2)

16" X Var.

**18**

M3-4 30"x15"

M1-5 36"x36"

M6-1 30"x24"

30"x51"

**19**

M3-4 30"x15"

M1-5 36"x36"

M6-1 30"x24"

30"x51"

**20**

R3-5L

30"x36"

**21, 25**

D3(2)

16" X Var.

(DUAL-FACED)

SIGNS 13 & 16 ARE EXISTING.  
SIGNS 12,14,15,17-25 ARE PROPOSED.

[M.] CAP AND ABANDON EXISTING CONDUIT.  
 [N.] INSTALL W3-3 SIGN (36" x 36"), D-3(2) SIGN (72" x 12") WITH D95-25 (NEW) PANEL (24" x 24") AND FLAGS ON TWO 4" x 6" TREATED WOOD POSTS. REMOVE EXISTING W2-2 (INTERSECTION AHEAD) SIGN.  
 [O.] EXISTING POLE MOUNTED CABINET TO BE REMOVED.  
 [P.] INSTALL PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING ARROW.  
 [Q.] INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.  
 [R.] EXISTING PAVEMENT MARKING LETTER OR ARROW TO BE REMOVED.  
 [S.] INSTALL 24-INCH PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC STOP LINE.  
 [T.] USE EXISTING CONDUIT.  
 [U.] EXISTING STOP LINE TO BE REMOVED.  
 [V.] EXISTING PAVEMENT MARKINGS TO BE REMOVED.  
 [W.] INSTALL ONE POLE EXTENSION, 15 FOOT LIGHTING BRACKET ARM, AND 250 WATT HPS LUMINAIRE.  
 [X.] REMOVE EXISTING PAVEMENT MARKING. INSTALL SOLID WHITE LINE AND 2 FT. DASHED WHITE LINE/6 FT. GAP.  
 [Y.] INSTALL 3-INCH POLYVINYL CHLORIDE ELECTRICAL CONDUIT SCHEDULE 80 - TRENCHED.  
 [Z.] INSTALL GROUND MOUNTED SHIELD ASSEMBLY SIGNS.

**LEGEND OF UNDERGROUND  
AND OVERHEAD UTILITIES**



AERIAL CABLE	— A —
ELECTRIC	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— TV —

OVERHEAD LINE HEIGHTS AT "A"	
PRIMARY	42'-0"
PRIMARY	36'-10"
PRIMARY	30'-6"
SECONDARY	23'-0"
SECONDARY	19'-9"

OVERHEAD LINE HEIGHTS AT "B"	
PRIMARY	41'-0"
PRIMARY	35'-10"
PRIMARY	28'-10"
SECONDARY	23'-0"
SECONDARY	21'-4"

GENERAL NOTES:

1. LOOP DETECTORS, CONDUIT, AND MICROLOOP PROBES SHALL BE INSTALLED BEFORE PAVEMENT MARKINGS.
2. THE CONTRACTOR SHALL CONFIRM ALL GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. THIS IS A REVISION OF THE EXISTING INTERSECTION CONTROL BEACON INSTALLED IN 1988 UNDER CONTRACT NO.: F-185-451-785.

REVISIONS		APPROVALS		<div></div> <div>MARYLAND DOT - STATE HIGHWAY ADMINISTRATION</div> <div>Office of Traffic &amp; Safety</div> <div>TRAFFIC ENGINEERING DESIGN DIVISION</div> <div>MD 80 (FINGERBOARD ROAD)</div> <div>AND LYNN BURKE ROAD</div>		
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION				
		ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION				
⑤	JANUARY 2000, UPGRADE ICS TO A FULL ACTUATED TRAFFIC CONTROL SIGNAL. SHA NO. X-10005785	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION				
JAC						
④	7-18-90 RELOCATE TWIN MAST ARM DUE TO GEOMETRIC CHANGES SHA NO. 89-325-802-712	DIRECTOR, TRAFFIC & SAFETY				
		DRAWN BY: WJN (STS)		F.A.P. NO.	TS NO.	SHEET NO.
		CHECKED BY: RRZ (STS)		S.H.A. NO. F-185-451-785	2453	
		SCALE: 1" = 20'		COUNTY: FREDERICK	T.I.M.S. NO.	
		DATE: 4/8/88		LOG MILE: 1000801.11	D507	
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FR360A55/B55